

Information Systems Pathway* Cybersecurity Concentration

Catalog Term: 2024-2025

*Subject to Change

Year 1, Fall Semester				Year 1, Spring Semester			
Course	Title	Credit Hours	Prerequisite(s)	Course	Title	Credit Hours	Prerequisite(s)
EH 101	College Writing I	3		ECN 142	Principles of Macroeconomics	3	MA 107 or MA 112
Fine Arts	Elective	3		EH 102	College Writing II	3	EH 101 or EH 101S (C- or better)
FYE 101	Charger Success	1	Transfer students can take BUS 300 (1 hr) instead of FYE 101	MA 120	Math Professional Application	3	MA 107 or MA 112 (C- or better)
History*	Elective	3		Science w/ Lab	Elective	4	
IS 146	Computer Applications in Business	3		Social/Behavioral Science	Elective	3	
MA 107 or MA 112	Algebra w/ Applications or Precalculus Algebra	3					
Total		16		Total		16	

Year 2, Fall Semester				Year 2, Spring Semester			
Course	Title	Credit Hours	Prerequisite(s)	Course	Title	Credit Hours	Prerequisite(s)
ACC 211	Financial Accounting	3		ACC 212	Management Accounting	3	ACC 211
BLS 211	Legal Environment in Business	3		IS 210	Computer Programming for Business	3	IS 146
ECN 143	Principles of Microeconomics	3	MA 107 or MA 112	IS 301	Information Systems in Organizations	3	IS 146
MSC 287	Business Statistics I	3	MA 107 or MA 112	Literature*	Elective	3	EH 102 or EH 103 or EH 105 (C- or better)
Science w/ Lab	Elective	4		MSC 288	Business Statistics II	3	MSC 287
Total		16		Total		15	

Year 3, Fall Semester				Year 3, Spring Semester			
Course	Title	Credit Hours	Prerequisite(s)	Course	Title	Credit Hours	Prerequisite(s)
MKT 301	Principles of Marketing	3		FIN 301	Principles of Finance	3	ECN 143, ACC 210 or ACC 211, either MSC 287, SOC 303, PY 300, MA 385, ISE 390
Humanities/Fine Arts	Elective	3		CM 313	Business & Professional Communications	3	
IS 310	Advanced Programming	3	IS 210 or approved programming course	EH 300 or EH 301	Business Writing or Technical Writing	3	EH 102 (C- or better), Junior Class Standing
IS 340	Database Management	3	IS 301	MSC 385	Operations Analysis	3	MSC 288
MGT 301	Managing Organizations	3		IS 401	Cybersecurity Principles	3	IS 301
Total		15		Total		15	

Year 4, Fall Semester				Year 4, Spring Semester			
Course	Title	Credit Hours	Prerequisite(s)	Course	Title	Credit Hours	Prerequisite(s)
ECN Elective	300-400 level	3	ECN 142, ECN 143	Business Elective	300-400 level	3	
Humanities (Non-Literature)	Elective	3		IS 477	Network Defense & Security	3	IS 401, IS 460
IS 450 (Fall and Summer Only)	Cybersecurity Management	3	IS 301	MGT 450	International Business	3	MGT 301, MKT 301, FIN 301
IS 460	Networking & IT Infrastructure	3	IS 301	MGT 499	Competitive Strategy (C- or better)	3	MGT 301, MKT 301, FIN 301, EH 300 or 301, IS 301, MSC 385
IS 463	Digital Forensics	3	IS 401				
Total		15		Total		12	

* Students must complete a two-course sequence in Literature or History.
 Approved Literature sequence is any two Literature courses from EH 207, 208, 209, 210, 242, 241, 243, 244, 245, and 246
 Approved History sequences are HY 103 and 104, or HY 221 and 222.